## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT



formation er readable

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

1 FW/16

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.2.2 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<a href="http://www.uspto.gov/ebc/efs/downloads/documents.htm">http://www.uspto.gov/ebc/efs/downloads/documents.htm</a>, EFS Submission User Manual cPAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

"n" can only represent a single nucleotide: "Xaa" can only represent a single amino acid AMC - Diotechnology Systems Dranch - 09/09/2003

Misusc of NX 33



# BEST AVAILABLE COPY



RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/600,070A

DATE: 05/26/2005

TIME: 12:34:01

Input Set : A:\08153.ST25.txt

Output Set: N:\CRF4\05262005\J600070A.raw

3 <110> APPLICANT: Osteryoung, Katherine W.

Vitha, Stanislav

Koksharova, Olga A.

Gao, Hongo

8 <120> TITLE OF INVENTION: Plastid Division and Related Genes and Proteins, and Methods

οf

- 11 <130> FILE REFERENCE: MSU-08153
- 13 <140> CURRENT APPLICATION NUMBER: 10/600,070A
- 14 <141> CURRENT FILING DATE: 2003-06-20
- 16 <160> NUMBER OF SEQ ID NOS: 208
- 18 <170> SOFTWARE: PatentIn version 3.3

Does Not Comply Corrected Diskette Needed

#### ERRORED SEQUENCES

811 <210> SEQ ID NO 8 812 <211> LENGTH (0)

813 <212> TYPE: DNA

814 <213> ORGANISM: Artificial Sequence

816 <220> FEATURE:

817 <223> OTHER INFORMATION: Synthetic

820 <220> FEATURE:

821 <221> NAME/KEY: misc feature

822 <223> OTHER INFORMATION: Intentionally dmitted.

824 < 40Q > SEQUENCE: 8

E--> 824 8

nation on pr Seeerror

BEST AVAILABLE COPY 10/600,070A ernon Symmery pis see item#8 0 <211> (0) <212> <213> Artificial Sequence <220> Whenever 12217 is snown, (2227 must be insented. <223> Synthetic <220> <221> Intentionally omitted. <400> 8 <210> 9 <211> 2406 <212> IF this sequence was intentionally <213> Arabidopsis thaliana <400> skipped, PIS see item # 8 summary sheet for skipped The type of errors shown exist throughout Suence Listing. Please check subsequent sequences for similar errors.

#### VERIFICATION SUMMARY

PATENT APPLICATION: US/10/600,070A

DATE: 05/26/2005 TIME: 12:34:03

Input Set : A:\08153.ST25.txt

Output Set: N:\CRF4\05262005\J600070A.raw

L:824 M:301 E: (44) No Sequence Data was Shown, SEQ ID:8 L:7849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132 after pos.:120 M:341 Repeated in SeqNo=132 L:8035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:60 L:8134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:120 M:341 Repeated in SeqNo=144 L:8195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:0 M:341 Repeated in SeqNo=146 L:8235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147 after pos.:0 M:341 Repeated in SeqNo=147 L:11295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174 after pos.:0 M:341 Repeated in SeqNo=174 L:11352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:480 L:11514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:182 after pos.:0 L:11568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184 after pos.:0 L:13263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:198 after pos.:600 L:13300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199 after pos.:600 L:13368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:201 after pos.:600 L:13594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207 after pos.:0



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**EXAMINER** 

KUBELIK, ANNE R

P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.

FILING DATE

FIRST NAMED INVENTOR

ATTORNEY DOCKET NO.

CONFIRMATION NO.

10/600,070

Suite 350

06/20/2003

Katherine W. Osteryoung

MSU-08153

5938

7590

MEDLEN & CARROLL, LLP

San Francisco, CA 94105

J. Mitchell Jones

101 Howard Street

07/14/2005

VECENTED

MEDLEN & CARROLL

ART UNIT

PAPER NUMBER

JUL 2 1 2005

1638

DATE MAILED: 07/14/2005

Resp. 8/14/05/200

Please find below and/or attached an Office communication concerning this application or proceeding.



COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, DC 2023I
WWW.usdio.gov

APPLICATION NO./
CONTROL NO.

FILING DATE

FIRST NAMED INVENTOR /
PATENT IN REEXAMINATION

ATTORNEY DOCKET NO.



EXAMINER

**ART UNIT** 

PAPER

705

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

#### **Commissioner of Patents**

The communication filed 23 May 2005 is not fully responsive to the Office communication mailed 20 April 2005 for the reason(s) set forth on the attached Notice To Comply With The Sequence Rules or CRF Diskette Problem Report. Applicant must comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 and 132.

Since the reply appears to be <u>bona fide</u> attempt to comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825), applicant is given a TIME PERIOD of **ONE** (1) **MONTH** from the mailing date of this communication within which to correct the deficiency so as to comply with the sequence rules (37 CFR 1.821 - 1.825) in order to avoid abandonment of the application under 37 CFR 1.821(g). EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anne R. Kubelik, whose telephone number is (571) 272-0801. The examiner can normally be reached Monday through Friday, 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Jones, can be reached at (571) 272-0745.

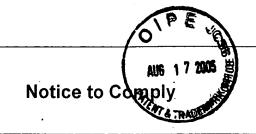
The central fax number for official correspondence is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public.

For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199.

ANNÉ KUBELIK, PH.D. PRIMARY EXAMINER



| Application No. | Applicant(s)    |                   |  |
|-----------------|-----------------|-------------------|--|
| 10/600,070      | OSTERYOUNG ET A | OSTERYOUNG ET AL. |  |
| Examiner        | Art Unit        |                   |  |
| Anne R. Kubelik | 1638            |                   |  |

# NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

|             | 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). |
|-------------|---|
|             | 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).   |
|             | 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).   |
|             | 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."   |
|             | 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).   |
|             | 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).  |
| $\boxtimes$ | 7. Other: See error report  |
|             | pplicant Must Provide: An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".  |
|             | An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the ecification.  |
|             | A statement that the content of the paper and computer readable copies are the same and, where applicable, include new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).   |
|             |   |

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

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